OK

Depth 6	Contents 7	Reference to last Measurement 8
	WR: 972914-00	
	IT 19458-00	
	VAT- 38917-00	
	Cess- 9729-00	
	CBF- 973-00	
	FSD- 48646-00	
	Fire- 5400-00	
	Adj- 123123-00	
	Chqd: 849791-00	

First & Final Bill

Job-Code No; 009-16-000024.

M. A. R. 57 (Rule 116) **No. B** 260838

Measurement Book

Serial No. ..... Drilling of borewells, providing pump motor and commissioning in

Name of Work ...ward No. 09 In Vidyaranyapura Sub-division.....

Name of Contractor of nature of Agency ..Sri. Madhusudan. R..... BR- 04(29.4.17

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Job-code No;	009-16-000024.					
	Head of Account;	P1771 POW.					
	Administrative Approval No;	AS/EE(BTP)/193/15-16.				Dt 14-12-2015.	
	Technical Sanction No;	TS/EE(BTP)/202/15-16.				Dt 14-12-2015.	
	Work order No;	BBMP/EE/BTP/WO/347/2015-16.				Dt 30-03-2016.	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1) Geophysical Investigation of Site for Sinking Borewell for supplying drinking water to the habitation either through the Hand pump. Mtrs of P.V.P. SS. by Vertical electrical sounding by adopting Venner or Schlumbergers method. including reconnaissance survey of geological formation, Geophysical investigation of existing Ground water in the vicinity, its quality & acceptability of the users indicating the location of Site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.00 meter in consolidated formation for proper seating of casing pipe, depth of drilling required						
	a) Bullet Krishnappa Layout 5th Main 3rd Cross	2 Nos				= 2 Nos	
		@ Rs	1882.00				Rs 3764.00
	b) Kotte anjaneyaSwamy Temple Virupakshapura						

M. A.
Mea

Serial No. .....
Name of Work ..... From
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	2) Sinking borewell of 165mmφ c	
	250 PSIG & above CFM & above in	
	fixing of casing pipes, Collars a	
	welding including transportation	
	cost of consumables etc, complete	
	minimum working of compressor for	
	a) Bullet Krishnappa Layout 5th Cro	
	0 to 50.00mt	2
		@ Rs

T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
ng Borewell for supplying drinking ng Hand pump. Mixes of P.C.C. 55. 5y vernier or Schlumbergers method. logical formation, Geophysical investigation . its quality & acceptability of the mmended depth of casing pipe required including an extra depth of 1.00 meter in of casing pipe, depth of drilling required		= 2 Nos	
2.00			Rs 3764.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260839

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
2)	Sinking borewell of 165mm ϕ clear using Super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strata including over burden upto 20mtr fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc, complete including vertical testing at the final depth with a minimum working of compressor for one hour.						
	a) Bullet Krishnappa Layout 5th cross 3rd cross b) Kotte anjaneyaswamy temple Uttupalayam						
	0 to 50.00 mt	2	50.00			= 100.00 Rmt	
		@ Rs	306.00				Rs 30600.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
3)	50.00 to 100.00mt	2	50.00		=	100.00mt	
		@ Rs 400.00				Rs 40000.00	
4)	100.00 to 150.00mt	2	50.00		=	100.00mt	
		@ Rs 445.00				Rs 44500.00	
5)	150.00 to 200.00mt	2	50.00		=	100.00mt	
		@ Rs 470.00				Rs 47000.00	
6)	200.00 to 250.00 mt	2	50.00		=	100.00mt	
		@ Rs 544.00				Rs 54400.00	
7)	a) B.B. Layout 5th Main 3rd Cross 250.00 to 310.00mt	1	55.00		=	55.00mt	
		@ Rs 583.00				Rs 29150.00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	
1	2	
	b) Kotte anjaneya Swamy temple Virupakshapura. 250 to 308.00mt	
8)	Supply of ISI mark 1.5 mm thick black electric rejistance to IS 1387/1993 & manufactu of 4 to 7mts both ends there plastic protection.	
	a) B.B Layout 5th Main 3rd Cross	
	b) Kotte anjaneya Swamy temple Virupakshapura	

NT BOOK

ensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
		=	100.00mt	
			RS 40000.00	
		=	100.00mt	
			RS 44500.00	
		=	100.00mt	
			RS 47000.00	
		=	100.00mt	
			RS 54400.00	
		=	55.00mt	
			RS 29150.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B
260840

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	b) Kotte anjaneya Swamy temple Virupakshapura.					50.00 mt.	
	250 to 308.00mt	1	53.00		=	53.00mt	
			RS 583.00			RS 29150.00	
8)	Supply of ISI mark 175mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continuous welded mild steel tube material conforming to IS 1387/1993 & manufactured from hot rolled steel skelp/ stripes in random lengths of upto 7mts both ends threaded one end fixed with a socket and the other end coated with plastic protection.						
	a) B.K Layout Stn Main Zekon	1	38.00		=	38.00 Rmt	
			200.00		=	200.00 Rmt	Jodha
	b) Kotte anjaneya Swamy temple Virupakshapura	1	235.00		=	235.00 Rmt	
			35.00		=	35.00 Rmt	Jodha

AEE (VRP) SD

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					Total =	875.00 Rmt Jadi	
		Qty limited to Tender			=	700.00 Rmt Jadi	
		@ Rs 1325.00				Jadi Rs 1875000.00	
						Rs 92750.00	
9)	Providing 250 mm ϕ PVC pipe 6kg/cm a) B.K. Layout 5th Main 3rd cross b) Kotte anjaneya swamy temple Veru Pakshapuram	2	12.00			= 24.00 Rmt	
		@ Rs 754.47				Rs 18107.00	
10)	Providing and fixing 160 mm Borewell Cap	2 nos @ Rs 100.00				Rs 200.00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
11)	Supply and delivery of Calamal / make Suitable 12.5 HP 2S Stage
12)	Supplying of ISI mo electric resistance we Hot finished a) B.K. Layout b) Veru Pakshapuram

NT BOOK

mensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
			Total = ~~875.00~~ 825.00 Rmt Jadu	
to Tender			= ~~800.00~~ 750.00 Rmt Jadu	
				Jadu RS 187500.00
				RS 92750.00
			= 24.00 Rmt	
				RS 18107.00
				RS 200.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260841

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
1)	Supply and delivery at Site brand new Kirloskar/Jyoti/Lubi/Subar/Atlanta/ Calamel/ make suitable for vertical installation in 150mm ϕ bore well						
	12.5 HP 25 Stage	2 Nos	@ RS 60400.00			RS 120800.00	
12)	Supplying of ISI marked galvanized mild steel tube Continously welded electric resistance welded (ERW) high frequency. induction welded (HFIW) Hot finished						
	a) B.B. Layout	1	260.00			= 260.00 Rmt	
	b) Verupakshapuram	1	265.00			= 265.00 Rmt	
					Total =	525.00 Rmt	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		Qty limited to tender @ Rs 315.00			=	500.00 Rmt	Rs 157500.00
	13) Heavy Duty Collar Somma a) B.K. Layout	46 Nos			=	46 Nos	
	b) Veerupakshapura	45 Nos			=	45 Nos	
					Total =	91 Nos	
		Qty limited to Tender @ Rs 130.00			=	89 Nos	Rs 11570.00

C & F
AEE (VRP) SD

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	14) Supplying and drawing manufactured with elec resistance a) B.K. Layout b) Veerupakshapura

BOOK

...ions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
...der	=	500.00 Rmt	
		Rs 157500.00	
	=	46 Nos	
	=	45 Nos	
	Total =	91 Nos	
Tender	=	89 Nos	
		Rs 11570.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 260842

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
14)	Supplying and drawing 3 core flat pvc sheathed Submersible pump cable manufactured with electrolytic grade copper with flexible copper wire low resistance						
	a) B.K. Layout	2x1	270.00			= 540.00 mt	
	b) Veerapakshapuram	2x1	275.00			= 550.00 mt	
					Total =	1090.00 mt	
					=	1040.00 mt	
	Qty limited to Tender						
	@ Rs 154.00					Rs 160160.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
15)	Erection of Pumpset including aligning and blancing with all erection materials and labour including supply and erection of one pair supporting clamps	2 Nos @ Rs 3000.00				Rs 6000.00	
16)	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 Pieces and fixing	2 Nos @ Rs 302.00				Rs 604.00	
17)	Supplying of 1.1KV LT UG cable having aluminium conductor PVC insulated extruded inner sheathed, galvanized, steel strip (except armoured)	2 Nos @ Rs 140.00	20.00			2CX10Sq mm wire = 40.00 mtr Rs 5600.00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
18)	Labour Charges for la Pipe/Stoneware Pipe/
19)	Dugging of trench of o required ground leve For cutting Road Surf

AEE (VRP)

MENT BOOK

Dimensions			Contents	Reference to last Measurement
ength 4	Breadth 5	Depth 6	7	8
ing and blanking with all necessary ding supply and erection of one pair				
@ Rs 3000.00			Rs 6000.00	
Polished wood board made of not less idey with planks made out of not more				
@ Rs 302.00			Rs 604.00	
having aluminium conductor pvc insulated zed, steel strip (except 2CX10Sq mm wire				
20.00			= 40.00 mtr	
s 140.00			Rs 5600.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260843

Serial No. ..... From ..... To .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc., of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
18)	Labour Charges for laying of 1.1kv class cu cable in existing trench cl Pipe/Stoneware Pipe/on wall/on pole					= 40.00 mt	
		2 Nos	20.00			Rs 400.00	
		@ Rs	10.00				
19)	Digging of trench of 0.6mt deep x 0.3mtr wide refilling the trench to the required ground level and consolidating etc. complete.						
	For cutting Road Surface		15.00			= 30.00 mtr	
		@ Rs	85.00			Rs 2550.00	

AEE (VRP) SLC

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
20)	Supplying and fixing of Class A (medium duty) GI pipe of wall thickness not less than 3.25mm on Pole/wall/drain crossing with necessary clamping arrangements for UG 40mm ϕ GI Pipe	2	4.00			= 8.00 mtr @ Rs 345.00 Rs 2760.00	
21)	Supplying and fixing 1.1 KV cast iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps. 16 Sqmm	2 Nos				@ Rs 280.00 Rs 560.00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
22)	Supplying, fixing, wiring and other equipments on 2.5mtr	2
23)	Supplying & fixing of P wooden/Panel wing 32 Amps	2

T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
		on duty) GI Pipe of wall /wall/drain crossing with	
		= 8.00 mtr	
		Rs 2760.00	
		t heads suitable for 1.1kv class	
		on/insulating compound complete	
280.00		Rs 560.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260844

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
22)	Supplying, fixing, wiring earth electrode for grounding conduits 1-C. Cut outs and other equipments on the meter board using 40mm ϕ 2.9mm thick GI Pipe 2.5mtr	2 Nos @ Rs 2727.00				Rs 5454.00	
23)	Supplying & fixing of Porcelain fuse channel with Cut out on existing wooden/Panel using necessary nuts, bolts and washers. 32 Amps	2×6 @ Rs 180.00				= 12 Nos Rs 2160.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	24) providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved	2 Nos @ Rs 1579.40				Rs 3159.00	
	25) providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials fixtures and conveyance to work 50mm dia	2 Nos @ Rs 227.00				Rs 454.00	
	26) Supplying and fixing 50mm dia CI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc	2 Nos 4.00 @ Rs 80.00				= 8 Nos Rs 640.00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	27) Supplying Shunt capacitors grade for power factor rating 10 Nos. 2KVAR	
	28) Supplying and fixing boards using necessary ON/OFF, energy	

BOOK

...ions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
...m nominal		bore gun metal	
...pproved			
1579.40		Rs 3159.00	
...g to ISI specifications and fixing			
...uding cost of materials fixtures			
227.00		Rs 454.00	
...with ISI mark with all lead and			
...ges etc = 80.00			
		Rs 640.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260845

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
27)	Supplying Shunt capacitors conforming to IS 2834 grade for power factor improvement of rotating machinery. 2KVAR rating No.	2 Nos	@ Rs 350.00			3 phase 400/440 volts capacitor in KVAR Rs 700.00	
28)	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy	2 Nos	@ Rs 1547.00			Rs 3094.00	

MEASUREMENT BOOK

Date	Full description, etc, of work –	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
29)	Fabricating Supplying and mounting MS box made out of SWG Suitable for floor / wall mounting fully weather proof with provision for better heat dissipation, provided with 16 SWG	2	120.00	60.00	= 288000.00 Sq.cm		
		20	360.00	25.00	= 180000.00 Sq.cm		
					total = 468000.00		
					@ Rs 0.15 Limit 46800 = 7020-		Rs 70200.00
30)	Supplying and delivery at Site brand new Star / Essen / Lotus / Sun-Shine / Adarsh / GK controls best indigenous make combined energy meter-cum control panel board	Nos			@ Rs 6000.00		Rs 12000.00

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
31)	Earthwork excavation f lead of 5 mtr including rails and booming
32)	Providing and instala pipes and specials a level and perfect lon

AEE (VRP) SD

NT BOOK

ensions Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
MS box made out of Sheet fully weather proof with m, provided with			
60.00	=	288000.00 Sq.cm	
25.00	=	180000.00 Sq.cm	
	Total =	468000.00	
	Limit 46800 =	70200-	
		Rs 70200.00	
nd new Star/Essen/Lotus/Sun-Shine make combined energy meter - Cum			
Rs 6000.00		Rs 12000.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260846

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
31)	Earthwork excavation for pipeline trenches including depositing or bank up to a lead of 50mtr including shoring and staffing dangers logging and ajing safe rails and boarding	1	12.00	0.60	0.75 =	5.40 Cum	
		Qty limited to tender			=	4.50 Cum	
		@ Rs 188.00				Rs 846.00	
32)	Providing and installation at site of works P.V.C pipes including cost of Pipes and specials and including lowering into trenches laying true to line level and perfect jointing at						

AEE (VRP) SD

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	75mm ϕ GKSC PVC Pipe	1	12.00		=	12.00 Rmt	
		Qty limited to tender			=	10.00 Rmt	
		@ Rs 157.00				Rs 1570.00	
33)	Refilling the basement and pipeline trenches with selected available earth for trench excavation including watering consolidation in layers from the site including						
	Qty vide Item No — 32				=	4.50 Cum	
		@ Rs 61.00				Rs 275.00	

Serial No. .....

Name of Work ..... Fr

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
34)	providing and fixing approved quality (screened all materials	In
35)	BESCOM Deposit [100+7910.0+1889.0 = Rs 9899.00	2 nos

NT BOOK

ensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
			= 12.00 Rmt	
to tender			= 10.00 Rmt	
0)			RS 1570.00	
enches with Selected available g authority condition in layers			= 4.50 Cum	
0			RS 275.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 260847

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
34)	providing and fixing approved quality (screwed end) all material	in position brass-gate valve with C.I. wheel of 50mm nominal bore including cost of 1 Nos @ RS 1720.00				RS 1720.00	
35)	BESCOM Deposit [100+7910.0+1889.0 = RS 9899.00	2 Nos @ 9899.00				RS 17000 19798.00	
						Total RS 9.14217-0	

Verified
Sub-Div. Engineer

Zadhav
AE 30/1/2017

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate: Certified that the above work done satisfactory and no-materials issued from departmentally Jadhav AE 30/11/17						

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	
1	2	
	Rs Eight Lakh ... Eight Hundred ... Only 05/05	

BOOK

s		Contents	Reference to last Measurement
adth 5	Depth 6	7	8
		done satisfactory and	
		artmentally	
		stant Executive Engineer Yaranyapura Sub Division BBMP, Bangalore-97	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260848

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
						Total. 914217-00	
		914217-00				I/T - 9142-00	
		26005.0				VAT - 3657-00	
		8,88,212-00				Cess - 9142-00	
		Rs Eight-Lakh eighty eight-thousand two hundred twelve only.				CBF - 914-00	
						Fire. 3150-00	
						Add: 26.0052	
						Cheque 8-88,212-00	